# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference P-6629-PC	FOR FURTHER see Form PCT/ISA/220 ACTION as well as, where applicable, item 5 below				
	International filing date (day 10 February 2005 (10.02 200		(Earliest) Priority Date (day/month/year) 17 February 2004 (17.02.2004)		
Applicant KERNEL BIOPHAMA INC.					
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.  This international search report consists of a total of sheets.  It is also accompanied by a copy of each prior art document cited in this report.					
1 Basis of the Report a With regard to the language, the is the international a	international search was carrie				
a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12 3(a) and 23.1(b))					
b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.					
2 Certain claims were found unsearchable (See Box No. II) 3 Unity of invention is lacking (See Box No. III)					
	With regard to the title,  the text is approved as submitted by the applicant				
the text has been established Please See Continuation Sheet	by this Authority to read as fo	ollows:			
Please See Communication Sheet					
5. With regard to the abstract,					
	according to Rule 38.2(b), by		as it appears in Box. No. IV. The applicant a report, submit comments to this Authority		
	pplicant. uthority, because the applican	t failed to sugge	est a figure		
us selected by this Au b. none of the figures is to be pu	uthority, because this figure b blished with the abstract	etter characteriz	zes the invention.		

Form PCT/ISA/210 (first sheet) (April 2005)

#### INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL.05/00170

A. CLAS	SSIFICATION OF SUBJECT MATTER C 07 H 21/04;A 01 N 43/04;C 12 Q 1/68;C 12 P	19/34;C 12 N 5/00				
USPC: 536/23.1,24.3,24.33,24.5;514/44;435/6,91.1,325,375 According to International Patent Classification (IPC) or to both national classification and IPC						
B. FIELI	DS SEARCHED					
Minimum documentation searched (classification system followed by classification symbols) U.S.: 536/23 1,24 3,24.33,24 5;514/44;435/6,91.1,325,375						
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched						
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet						
C. DOCI	UMENTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with indication, where a	appropriate, of the relevant passages	Relevant to claim No.			
X  Y	CHIARANTINI et al. Inhibition of Macrophage iNOS by Selective Targeting of Antisense PNA Biochemistry 2002, Vol 41, pages 8471-8477, see Abstract, page 8472, first column, Table 1, and Figure 2					
х <del></del> Y	GIOVINE et al. Synthesis and characterization of a specific peptide nucleic acid that inhibits expression of inducible NO synthase FEBS Letters 1998, Vol 426, pages 33-36, see Abstract, page 34 [2.1], and page 35 [3.3]					
Y A	Eur J Biochem 2001, Vol 268, pages 2004-2012, see Abstract					
Further	documents are listed in the continuation of Box C	See patent family annex.				
Special entegories of cited documents:  A document defining the general state of the art which is not considered to be of particular relevance  Special entegories of cited documents:  The later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention						
E" earlier app	document of particular relevance; the claimed invention cannot be considered now patent published on or after the international filing date considered now lost the considered to involve an inventive step when the document is taken alone.					
establish t specified)	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is considered to involve an inventive step when the document is considered with one or more other such documents, such combination being					
"P" document						
	Date of the actual completion of the international search  Date of mailing of the international search 7 11101 2006					
09 June 2006 (09.08.2006)						
Mail Com P.O. Alex	Name and mailing address of the ISA/US  Mail Stop PCT, Athr. ISA/US  Commissioner for Patents  P.O. Box 1450 Alexandria, Virginia 22313-1450  Facsimile No. (571) 273-3201  Authorized officer  Terruc Gibbs  Talephone No. 571-272-0564					
DOTTO	7310 (second sheet) (April 2005)	·				

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## INTERNATIONAL SEARCH REPORT

International application No.
PCT/IL05/00170

C. (Contin	uation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
A	ZHILINA et al. Peptide nucleic acid conjugates: synthesis, properties, and applications.  Current Topics in Medicinal Chemistry. 2005, Vol. 5, pgaes 1119-1131, see Abstract.	73-82	
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# INTERNATIONAL SEARCH REPORT

International application No. PCT/IL05/00170

Continuation of Item 4 of the first sheet: The title shall be short and precise, PCT Rule 4.3, the suggested new title follows: "PEPTIDE-PNA CHIMERA TARGETING INDUCIBLE NITRIC OXIDE SYNTHASE"
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Continuation of B. FIELDS SEARCHED Item 3: CaPlus, EmBase, Medline, NPL, WEST, and STN search search terms: iNOS, inducible nitric oxide synthase, antisens?, PNA, peptide nucleic acid, chimera?